

SCOT HIGHLANDER

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OBJECTIVE

To obtain a Graduate Internship with Abbott Vascular

EDUCATION

Master of Science in Bioengineering June 2017

University of California, Riverside, Riverside, CA

Relevant Coursework: Cardiovascular, Renal, Translational Biomedical Research, Cellular and Molecular Engineering

Bachelor of Science in Bioengineering June 2013

University of California, Riverside, Riverside, CA

TECHNICAL SKILLS

Laboratory: Circular Dichroism (CD), Static Light Scattering (SLS), Gel Electrophoresis, High Pressure Liquid Chromatography (HPLC), Protein Expression, Osmometer

Computer: ViewLogic, SolidWorks, ABAQUS, MatLab/Simulink, AutoCAD, PSpice, TableCurve, COMSOL, JAVA, C/C++, LabVIEW, Assembly Language, Microsoft Office Suite

BIOENGINEERING RESEARCH AND DESIGN PROJECTS

Research Project, Department of Engineering September 2015 – Present

University of California, Riverside, Riverside, CA

- Assist post-doctoral candidate perform research and data analysis on current impact of diseases in human health
- Study embryogenesis, wound repair, and cited scholarly articles for research findings
- Utilize image-processing software to extract data of flow patterns

Undergraduate Researcher, Department of Engineering January 2013 – June 2013

University of California, Riverside, Riverside, CA

- Analyzed extracellular matrix and the growth of healthy tissue using a Multiphoton fluorescence microscope
- Studied samples of collagen to determine the results and the necessary design changes
- Updated and modified lab and safety policy and procedures to ensure an effective use of lab equipment

CAMPUS LEADERSHIP

College of Engineering Ambassador January 2012 – January 2013

- Provided tours to prospective students, organized recruitment events, and arranged on-campus interviews
- Represented the College of Engineering in a public relations role while greeting industry representatives

WORK EXPERIENCE

Housing Department, UC Riverside, Riverside, CA September 2010 – June 2012

Resident Advisor

- Facilitated the personal growth of 550 residents, encouraged and enforced the compliance of community standards, and addressed various security issues in crisis situations
- Served as the Leadership Advisor to students and participated in training on inclusive diversity practices
- Recruited and interviewed resident advisors as part of the selection committee

PROFESSIONAL AFFILIATIONS AND INVOLVEMENT

Vice President, **Bioengineering Graduate Student Association (BE-GSA)** June 2016 – Present

Member, **BioMedical Engineering Society** August 2012 – June 2013

Member, Tau Beta Pi, **National Engineering Honor Society** August 2010 – June 2013